defined as a viewing region, wherein said hologram has a different optical function with respect to different respective wavelengths.

8 9 (Amended). The liquid crystal display device using a hologram according to Claim 5, characterized in that when a TN liquid crystal cell is used as the liquid crystal display element, the diffuse reflection type hologram enables light incident thereon from above and at an angle of about 20° with respect to a normal line thereof to be diffused and reflected within a range defined by an upward angle about 10°, a downward angle of about 40°, and breadth-wise angles of about 60°.

9 10 (Amended). The liquid crystal display device using a hologram according to Claim 5, characterized in that when an STN liquid crystal cell is used as the liquid crystal display element, the diffuse reflection type hologram enables light incident thereon from above and at an angle of about 20° with respect to a normal line thereof to be diffused and reflected within a range defined by an upward angle about 20°, a downward angle of about 30°, and breadth-wise angles of about 30°.

10 11 (Amended). The liquid crystal display device using a hologram according to Claim 9 10, characterized in that a self-luminous type backlight unit is located on the back surface side of the diffuse reflection type hologram.

21. The diffuse reflection type hologram replication process according to Claim 18, characterized in that a combined index matching and lubricating liquid is contained between the diffuse reflection type hologram plate and the photosensitive material film.

22. The diffuse reflection type hologram replication process according to Claim 18, characterized in that the light beam of linear shape in section is a light beam that diverges in a linear direction thereof alone.

Please add the following new 23-34 claims:

Claim 23. The liquid crystal display device using a hologram according to claim 6, characterized in that when a TN liquid crystal cell is used as the liquid crystal display element, the diffuse reflection type hologram enables light incident thereon from above and at an angle of about 20° with respect to a normal line thereof to be diffused and reflected within a range defined by an upward angle of about 10°, a downward angle of about 40°, and breadth-wise angles of about 60°.

Claim 24. The liquid crystal display device using a hologram according to claim 6, characterized in that when an STN liquid crystal cell is used as the liquid crystal display element, the diffuse reflection type hologram enables light incident thereon from above and at an angle of about 20° with respect to a normal line thereof to be diffused and reflected within a range defined

by an upward angle of about 20°, a downward angle of about 30°, and breadth-wise angles of about 30°.

Claim 25. The liquid crystal display device using a hologram according to claim 24, characterized in that a self-luminous type backlight unit is located on the back surface side of the diffuse reflection type hologram.

Claim 26. The diffuse reflection type hologram replication process according to claim 19, characterized in that a combined index matching and lubricating liquid is contained between the diffuse reflection type hologram plate and the photosensitive material film.

Claim 27. The diffuse reflection type hologram replication process according to claim 20, characterized in that a combined index matching and lubricating liquid is contained between the diffuse reflection type hologram plate and the photosensitive material film.

Claim 28. The diffuse reflection type hologram replication process according to claim 19, characterized in that the light beam of linear shape in section is a light beam that diverges in a linear direction thereof alone.

Claim 29. The diffuse reflection type hologram replication process according to claim 20, characterized in that the light beam of linear shape in section is a light beam that diverges in a linear direction thereof alone.

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Claim 30. The diffuse reflection type hologram replication process according to claim 21, characterized in that the light beam of linear shape in section is a light beam that diverges in a linear direction thereof alone.

11 31. The liquid crystal display device of claim 8, characterized in that said diffuse reflection type hologram is a hologram obtained by

fabricating one transmission type hologram for each wavelength,

fabricating from the transmission type hologram fabricated for each wavelength one reflection type hologram for each wavelength, and

making a replica of said reflection type hologram by interference of diffracted light and incident light in a photosensitive film.

6 32. A liquid crystal display device of claim 6, characterized in that a polarizing plate, a hologram, a color tuning film and a reflecting layer are laminated together in order from a liquid crystal side.

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17 33. A liquid crystal display device of claim 32 16, characterized in that said hologram is a color hologram with interference fringes recorded thereon in such a way as to diffract a plurality of wavelengths including red, green and blue wavelengths.

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12 34. A liquid crystal display device of claim 5 1, wherein said hologram has high wavelength selectivity.